

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	((("2409979") or ("2717599") or ("2748769"))).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/07/15 14:16
S2	2040	(604/506,507,511,514,522,274,272,273).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/07/15 14:19
S3	260	S2 and needle and tip and shaft	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 14:21
S4	13	("2904045"   "3119391"   "3906932"   "4585446").PN. OR ("4753641").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/15 15:24
S5	53	(US-20050020990-\$ or US-20030139727-\$ or US-20010053888-\$ or US-20030028146-\$ or US-20010049510-\$ or US-20020121280-\$ or US-20010012926-\$ or US-20040092893-\$ or US-20030229318-\$).did. or (US-4537593-\$ or US-6569144-\$ or US-6346099-\$ or US-4461280-\$ or US-6391017-\$ or US-6440118-\$ or US-5562683-\$ or US-5848996-\$ or US-4869259-\$ or US-5295980-\$ or US-5254106-\$ or US-5064411-\$ or US-5733266-\$ or US-5843048-\$ or US-6346095-\$ or US-6261272-\$ or US-3119391-\$ or US-6802199-\$ or US-5652225-\$ or US-5257979-\$ or US-5817052-\$ or US-4585446-\$ or US-3633580-\$ or US-5584819-\$ or US-6585704-\$ or US-4826492-\$). did. or (US-4838877-\$ or US-6709427-\$ or US-6716192-\$ or US-6001084-\$ or US-5372583-\$ or US-6702790-\$ or US-6200304-\$ or US-5263937-\$ or US-5478328-\$ or US-5634913-\$ or US-2904045-\$ or US-4689040-\$ or US-5312422-\$ or US-5858006-\$ or US-4753641-\$ or US-5573519-\$).did. or (US-3119391-\$ or US-2830587-\$). did.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/15 15:43

## EAST Search History

S6	17	S5 and catheter	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 15:45
S7	28	S5 and syringe	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 15:48
S8	40753	S5 and spine or spinal	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 15:48
S9	10	S5 and (spine or spinal)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 15:50
S10	3	S5 and vacuum and collection	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 15:50
S11	3	S5 and syringe and collection	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 16:34
S12	3	S5 and "fluid collection"	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 16:34
S13	10	S5 and huber	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 16:41
S14	0	S5 and myocardial	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 16:41
S15	5	S5 and myocardial	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 16:41
S16	0	S5 and myocardial and huber	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 16:41
S17	5	S5 and myocardial	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/15 16:41

## EAST Search History

S18	1	("4537593").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/07/18 08:51
S19	53	(US-20050020990-\$ or US-20030139727-\$ or US-20010053888-\$ or US-20030028146-\$ or US-20010049510-\$ or US-20020121280-\$ or US-20010012926-\$ or US-20040092893-\$ or US-20030229318-\$).did. or (US-4537593-\$ or US-6346099-\$ or US-6569144-\$ or US-4461280-\$ or US-6391017-\$ or US-6440118-\$ or US-5562683-\$ or US-5848996-\$ or US-4869259-\$ or US-5295980-\$ or US-5254106-\$ or US-5064411-\$ or US-5733266-\$ or US-5843048-\$ or US-6261272-\$ or US-6346095-\$ or US-3119391-\$ or US-6802199-\$ or US-5652225-\$ or US-5257979-\$ or US-5817052-\$ or US-4585446-\$ or US-3633580-\$ or US-5584819-\$ or US-6585704-\$ or US-4826492-\$). did. or (US-4838877-\$ or US-6709427-\$ or US-6716192-\$ or US-6001084-\$ or US-5372583-\$ or US-6702790-\$ or US-6200304-\$ or US-5263937-\$ or US-5478328-\$ or US-5634913-\$ or US-2904045-\$ or US-4689040-\$ or US-5312422-\$ or US-5858006-\$ or US-4753641-\$ or US-5573519-\$).did. or (US-3119391-\$ or US-2830587-\$). did.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/18 10:03
S20	0	("L4andivad").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/07/18 10:03
S21	0	S19 and ivad	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 10:04
S22	6	needle and (ivad)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 10:31

## EAST Search History

S23	92	needle and "drug delivery port"	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 10:44
S24	6	needle with "drug delivery port"	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 10:44
S25	54	(US-20050020990-\$ or US-20030139727-\$ or US-20010053888-\$ or US-20030028146-\$ or US-20010049510-\$ or US-20020121280-\$ or US-20010012926-\$ or US-20040092893-\$ or US-20030229318-\$).did. or (US-4537593-\$ or US-6346099-\$ or US-6569144-\$ or US-4461280-\$ or US-6391017-\$ or US-6440118-\$ or US-5562683-\$ or US-5848996-\$ or US-4869259-\$ or US-5295980-\$ or US-5254106-\$ or US-5064411-\$ or US-5733266-\$ or US-5843048-\$ or US-6261272-\$ or US-6346095-\$ or US-3119391-\$ or US-6802199-\$ or US-5652225-\$ or US-5257979-\$ or US-5817052-\$ or US-4585446-\$ or US-3633580-\$ or US-5584819-\$ or US-6585704-\$ or US-5873864-\$). did. or (US-4826492-\$ or US-4838877-\$ or US-6709427-\$ or US-6716192-\$ or US-6001084-\$ or US-5372583-\$ or US-6702790-\$ or US-6200304-\$ or US-5263937-\$ or US-5478328-\$ or US-5634913-\$ or US-2904045-\$ or US-4689040-\$ or US-5312422-\$ or US-5858006-\$ or US-4753641-\$ or US-5573519-\$). did. or (US-3119391-\$ or US-2830587-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/18 11:28
S26	3	S25 and spinal with column	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 11:29
S27	3	S25 and (spinal with column)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 11:30

## EAST Search History

S28	1	("5848996").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/07/18 11:30
S29	0	("L11and(fluidwithcollectionorsuction)").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/07/18 12:57
S30	10	S25 and (fluid with collection or suction)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 12:57
S31	10	S25 and huber	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 13:30
S32	1	huber with needle with heart	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 13:31
S33	8	huber with needle and heart and drug with delivery	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 13:33
S34	32	huber with needle and drug with delivery	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 13:33
S35	4	S25 and pencil	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 13:40
S36	1	(pencil with point with needle) and myocardium	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/07/18 13:41
S37	26	("3119391").URPN.	USPAT	OR	ON	2006/05/04 10:41
S38	15	("3119391"   "3831814"   "3906932"   "4287891"   "4352354"   "4496353"   "4585446").PN. OR ("4826492").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 10:43
S39	15	("2904045"   "3119391"   "3906932"   "4585446").PN. OR ("4753641").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:09
S40	2	USCHOLD-JOHN-E.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:13

## EAST Search History

S41	0	scimed.as. and (needle with curvilinear)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:14
S42	546	scimed.as. and (needle)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:14
S43	28	scimed.as. and (needle near3 (curve or curved or curvilinear))	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:27
S44	253	"604"/\$.ccls. and (needle with tip with (curve or curved or curvilinear))	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 12:41
S45	1015	(604/274,272,273).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/05/04 12:54
S46	141	S45 and (needle with (curve or curved or curvilinear))	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 12:54
S47	79	S46 not S44	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 12:54
S48	24	("1331271"   "3181336"   "3327710"   "3540112"   "3594296").PN. OR ("3906932").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:12
S49	7	((("4826492") or ("3906932") or ("4561445") or ("2828744") or ("4537593"))).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/05/04 13:13
S50	7	((("4826492") or ("3906932") or ("4561445") or ("2828744") or ("4753641"))).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/05/04 13:13

## EAST Search History

S51	60	(US-20050020990-\$ or US-20030139727-\$ or US-20010053888-\$ or US-20030028146-\$ or US-20010049510-\$ or US-20040191225-\$ or US-20020121280-\$ or US-20010012926-\$ or US-20040092893-\$ or US-20030229318-\$).did. or (US-4537593-\$ or US-6569144-\$ or US-6346099-\$ or US-3906932-\$ or US-4461280-\$ or US-6391017-\$ or US-4561445-\$ or US-6440118-\$ or US-5562683-\$ or US-5848996-\$ or US-4869259-\$ or US-5295980-\$ or US-5254106-\$ or US-5064411-\$ or US-5733266-\$ or US-5843048-\$ or US-6346095-\$ or US-6261272-\$ or US-3119391-\$ or US-6802199-\$ or US-5652225-\$ or US-5257979-\$ or US-5817052-\$ or US-4585446-\$ or US-3633580-\$ or US-5584819-\$). did. or (US-6585704-\$ or US-5873864-\$ or US-4826492-\$ or US-4838877-\$ or US-6709427-\$ or US-6716192-\$ or US-6001084-\$ or US-5372583-\$ or US-6702790-\$ or US-6200304-\$ or US-5263937-\$ or US-5478328-\$ or US-5634913-\$ or US-2904045-\$ or US-4689040-\$ or US-5312422-\$ or US-5858006-\$ or US-4753641-\$ or US-5569288-\$ or US-5573519-\$).did. or (US-3448740-\$ or US-3119391-\$ or US-2830587-\$ or US-2828744-\$). did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 15:14
S52	0	S51 and (huber with heart)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 16:00
S53	0	S51 and (huber and heart)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:15
S54	2	S51 and (huber and (heart or lung or brain or liver or muscle or kidney or bladder or stomach or prostate))	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:17
S55	10	604/274 and (huber and (heart or lung or brain or liver or muscle or kidney or bladder or stomach or prostate))	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:22

## EAST Search History

S56	0	604/264 and (huber near2 (heart or lung or brain or liver or muscle or kidney or bladder or stomach or prostate))	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:22
S57	14	604/264 and (huber and (heart or lung or brain or liver or muscle or kidney or bladder or stomach or prostate))	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:26
S58	14	(huber with needle) with ((heart or lung or brain or liver or muscle or kidney or bladder or stomach or prostate))	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:27
S59	14	S58 not S57	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:29
S60	1	(huber with needle with heart)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:30
S61	0	(huber with needle with lung)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:30
S62	0	(huber with needle with lungs)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:30
S63	13	(huber with needle and lungs)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:31
S64	0	(huber with needle with cartilage)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:31
S65	0	(huber with needle with brain)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:31
S66	16	(huber with needle and brain)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:34
S67	40	(huber with needle and muscle)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:38

## EAST Search History

S68	5	604/500 and (huber with needle)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:39
S69	9	604/506 and (huber with needle)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:41
S70	0	(huber with needle) with (insert or puncture or pierce or enter) with (heart or lung or brain or liver or ovary or stomach or cartilage)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:42
S71	0	(huber with needle) with (insert or puncture or pierce or enter) near4 (heart or lung or brain or liver or ovary or stomach or cartilage)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 15:42
S72	9	S51 and (huber with needle)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 16:06
S73	173	huber.in. and needle	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/04 16:04
S74	2	("2,717,599").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/05/04 16:06